

# WELCOME TO FINAL DESIGN

## EAST LINK EXTENSION

### The purpose of tonight's meeting is to:

- Provide an opportunity for the community to meet with Sound Transit's team of engineers, architects, planners and community outreach staff
- Present and gather comments on updated design plans for the Mercer Island I-90 Segment, including the Mercer Island Station
- Share information about what to expect during the final design process and how to stay informed



### Agenda

#### 5-7 p.m. Open house

- Meet with project staff and view display boards and graphics featuring information about final design and design plans for the Mercer Island I-90 Segment of East Link Extension

#### 5:30 p.m. Overview presentation

#### 7 p.m. Meeting adjourns



July 2014

# LIGHT RAIL ALIGNMENT

## EAST LINK EXTENSION



Length: 14 miles

Ride times:

- Mercer Island to University of Washington: 20 minutes
- South Bellevue to Sea-Tac Airport: 50 minutes
- Overlake Transit Center to Bellevue Transit Center: 10 minutes

Rider projection: About 50,000 riders will use East Link every day by 2030

Budget: \$2.8 billion (2010 \$)

Start of service: Targeted 2023



July 2014

# MERCER ISLAND STATION SEGMENT OVERVIEW

## EAST LINK EXTENSION



### Travel times (from Mercer Island Station)

- International District/Chinatown = 10 minutes
- University of Washington = 20 minutes
- Bellevue Transit Center = 10 minutes
- SeaTac Airport - 45 minutes  
(with transfer at International District Station)

### Benefits:

- Provides access to high quality, frequent transit service that operates 20 hours per day
- Approximately 2,000 daily boardings (2030)
- Addresses the City of Mercer Island’s goals to promote mixed-use development at regional transit facilities and improves transit opportunities.



July 2014

# LOOKING AHEAD TO CONSTRUCTION

## EAST LINK EXTENSION

Sound Transit is committed to being a good neighbor by minimizing the impacts of our construction. During construction of East Link, Sound Transit will:

- Provide advanced notification of work and maintain a 24-hour construction hotline
- Maintain property access and minimize traffic disruptions
- Maintain a clean and safe work site
- Minimize noise, dust and debris
- Provide wayfinding and signage
- Reduce visual impacts
- Promote business districts



For construction information, call the 24-hour hotline 888-298-2395.



July 2014



# SUSTAINABILITY

## EAST LINK EXTENSION

At Sound Transit, our most important job is moving people onto buses and trains.

Our framework for sustainability:

- **People** Help people move freely by increasing the availability and use of regional transit
- **Planet** Promote environmental stewardship and conserve natural resources
- **Prosperity** Maximize agency efficiency and enable people and businesses to save time and money

Sound Transit is always looking for ways to apply sustainable design principles to our projects, including using renewable construction materials, natural drainage solutions and maximizing natural light at stations.



July 2014



# MERCER ISLAND STATION - 60% DESIGN

## EAST LINK EXTENSION



VIEW FROM MERCER ISLAND PARK & RIDE

July 2014



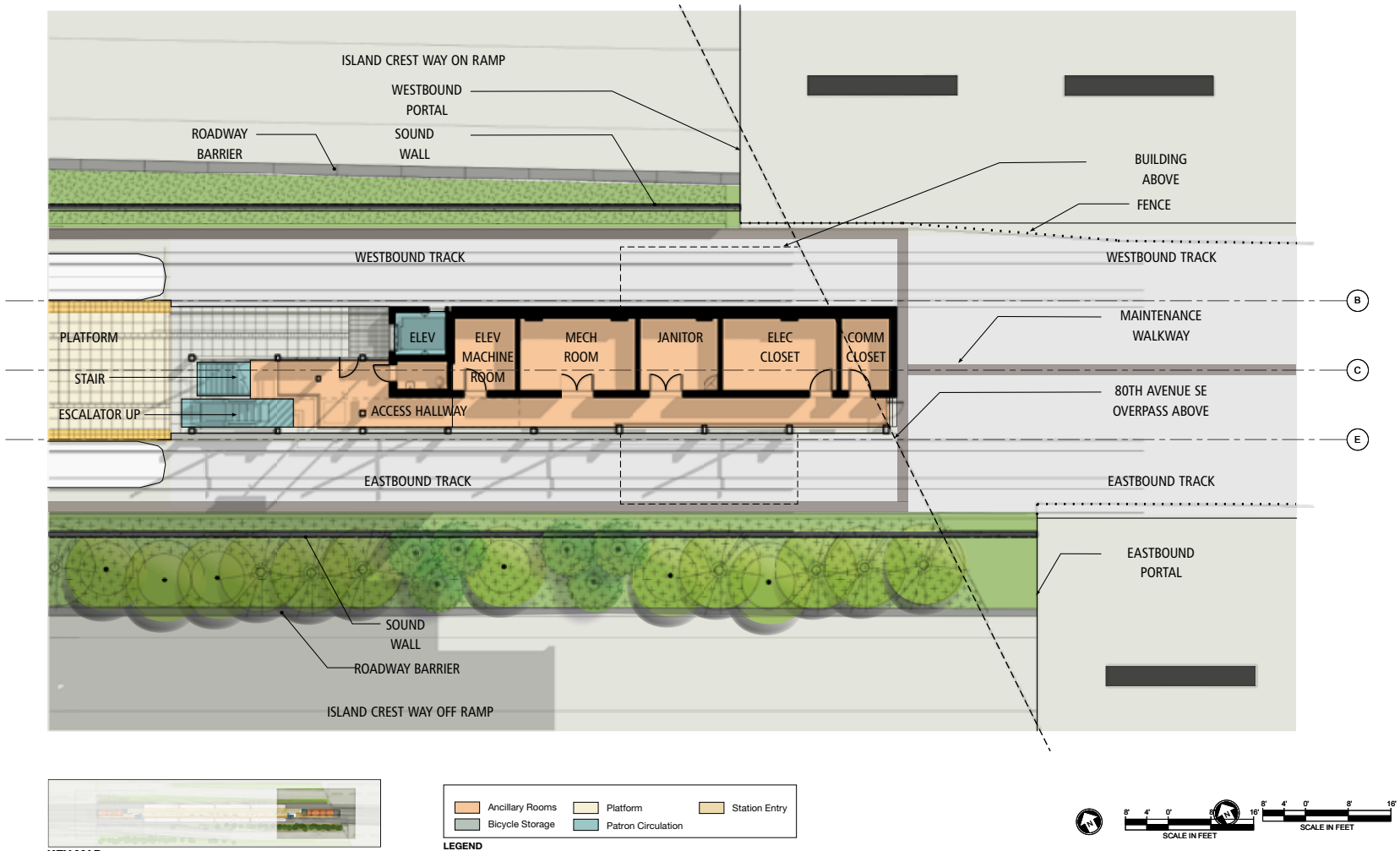
MERCER ISLAND STATION - 60% DESIGN

EAST LINK EXTENSION



EAST ENTRY - CUT AWAY PERSPECTIVE AT PLATFORM LOOKING EAST

EAST ENTRY - PLATFORM LEVEL PLAN





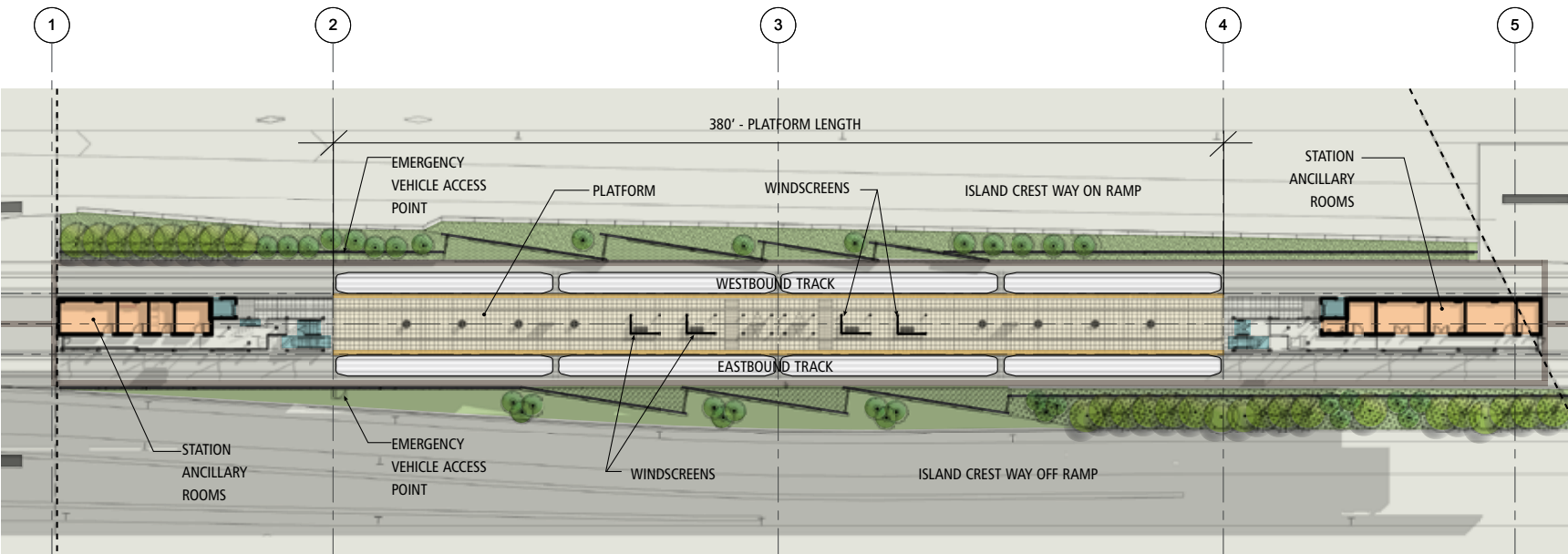
MERCER ISLAND STATION - 60% DESIGN

EAST LINK EXTENSION



PLATFORM CANOPY - LOOKING EAST AT 80TH AVE SE ENTRY

LONGITUDINAL SECTION & PLATFORM PLAN



Ancillary Rooms	Platform	Station Entry
Bicycle Storage	Patron Circulation	Ticketing

LEGEND



July 2014



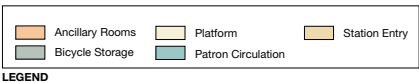
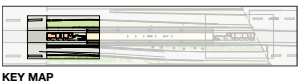
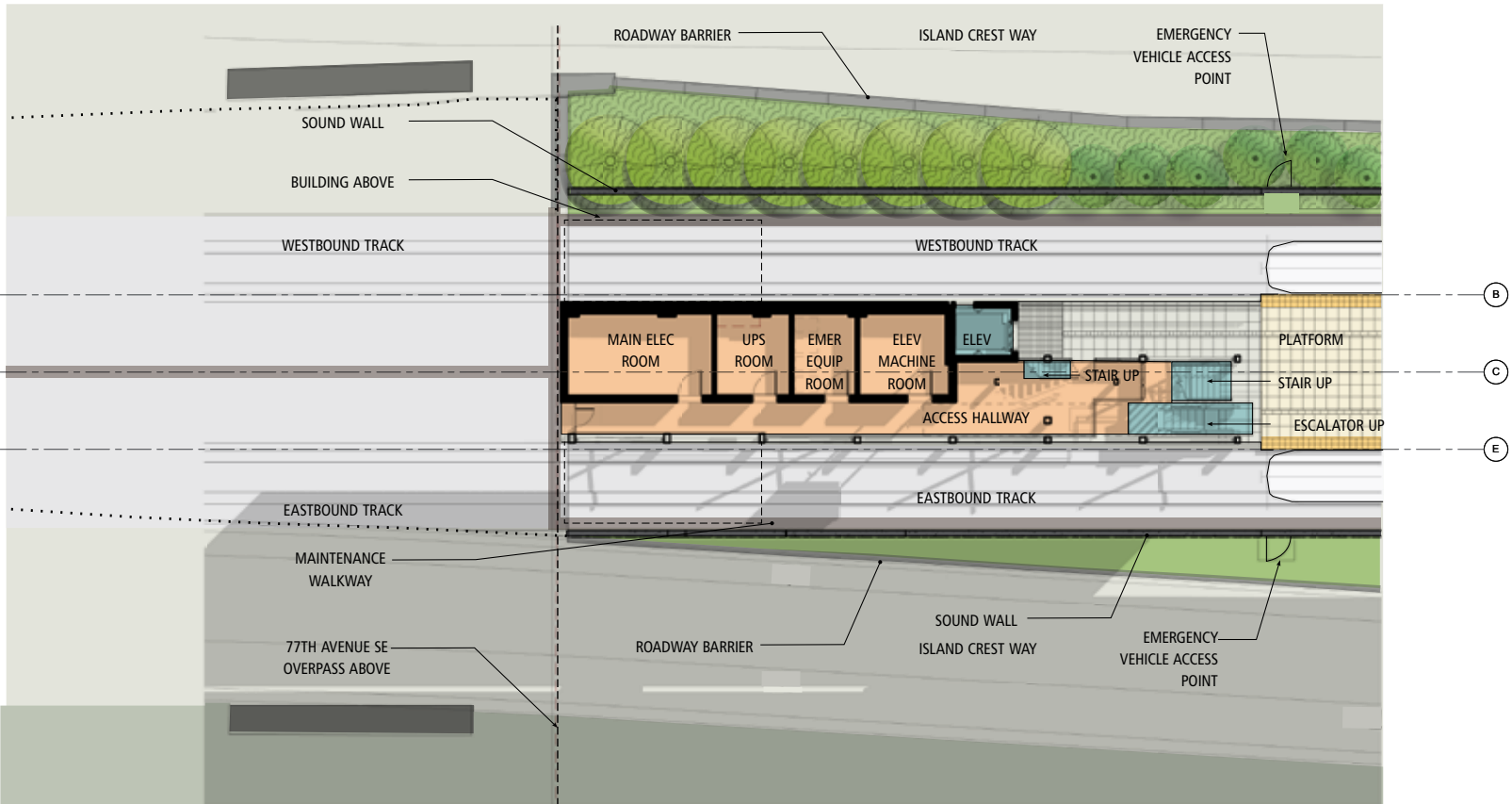
# MERCER ISLAND STATION - 60% DESIGN

## EAST LINK EXTENSION



WEST ENTRY - PLATFORM LOOKING WEST

WEST ENTRY - PLATFORM LEVEL PLAN





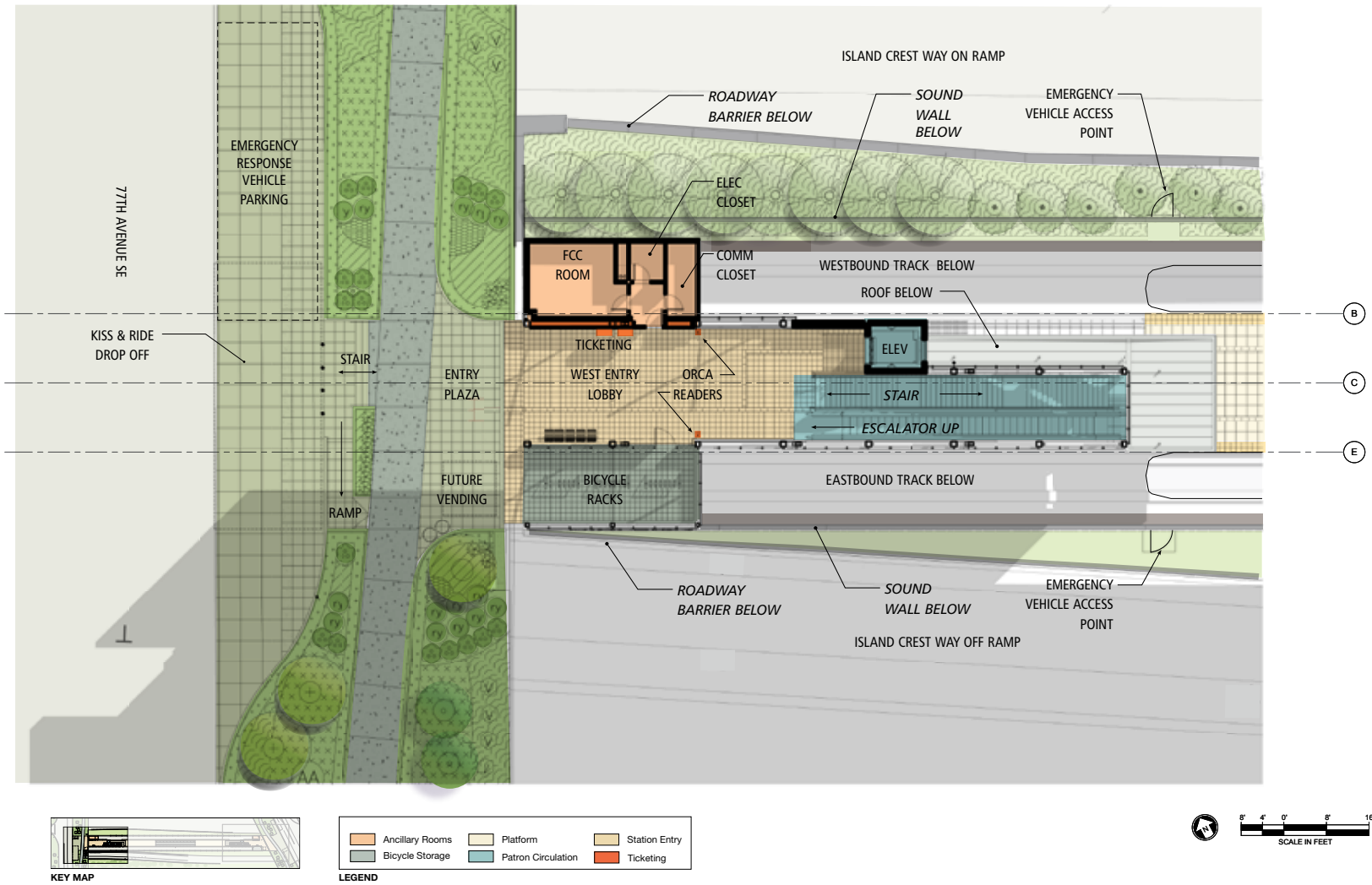
MERCER ISLAND STATION - 60% DESIGN

EAST LINK EXTENSION



WEST ENTRY AT 77TH AVE SE

WEST ENTRY - 77TH AVE SE ENTRANCE PLAN





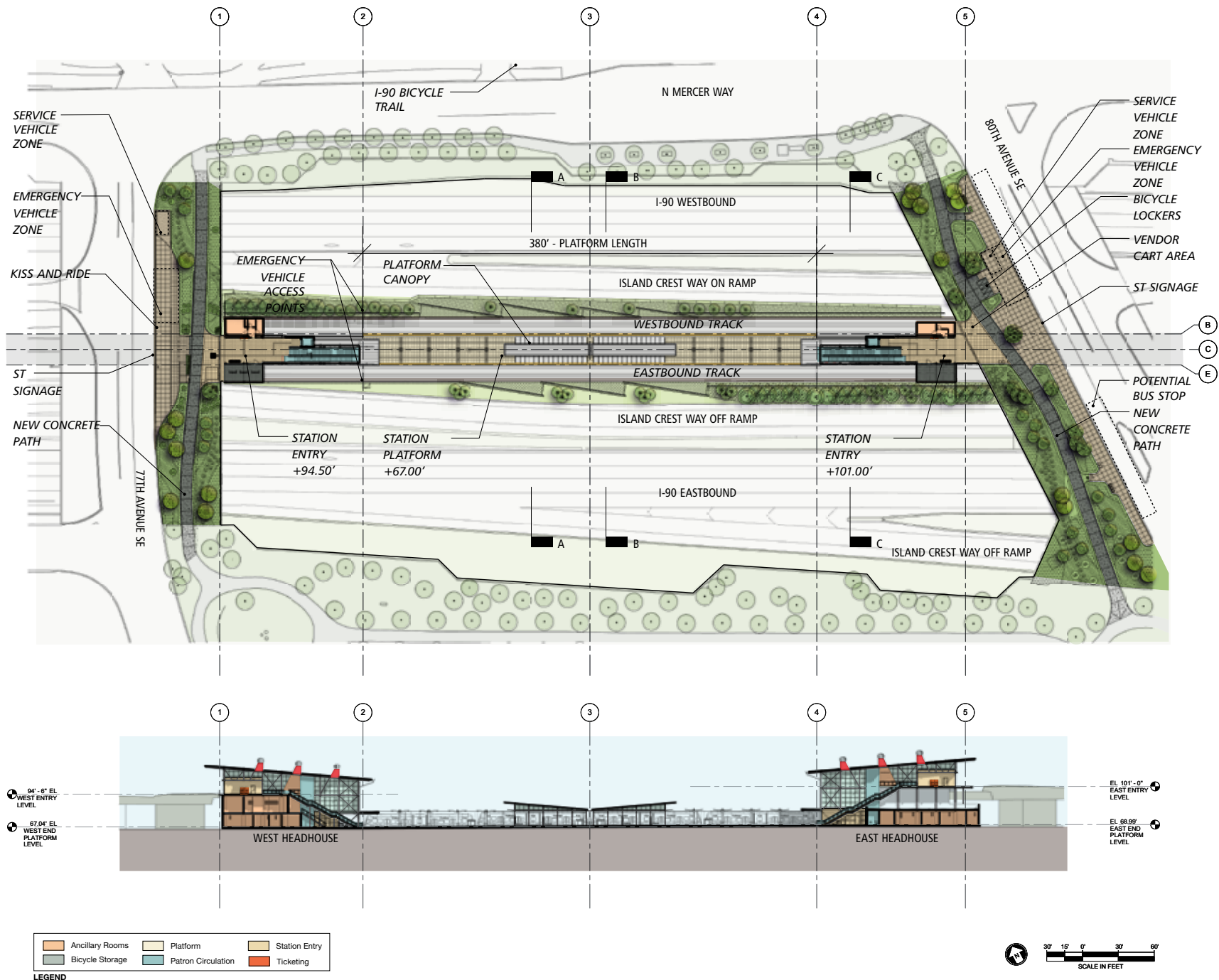
# MERCER ISLAND STATION - 60% DESIGN

## EAST LINK EXTENSION



CONTEXT PLAN

SITE PLAN





# MERCER ISLAND STATION - PLANT MATERIALS

## EAST LINK EXTENSION

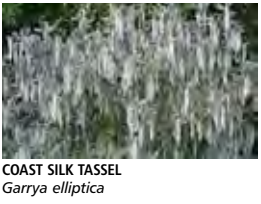
### TREES - EVERGREEN



### TREES - DECIDUOUS



### SHRUBS



### PERENNIALS AND GRASSES



### GROUNDCOVERS



July 2014



# MERCER ISLAND STATION - START OPPORTUNITIES

## EAST LINK EXTENSION



### IT TAKES A VILLAGE

The Sound Transit Art Program (STart) works with the design team to identify art opportunities.

The Art Program works with community leaders and stakeholders to find artists best suited to accentuate the neighborhood's unique qualities. The selections are made from a roster gathered from a national call.

The artist works with the community and the design team to create artwork that both reflects the neighborhood's identity and integrates with the station.



JUNE 2014

Art Opportunities





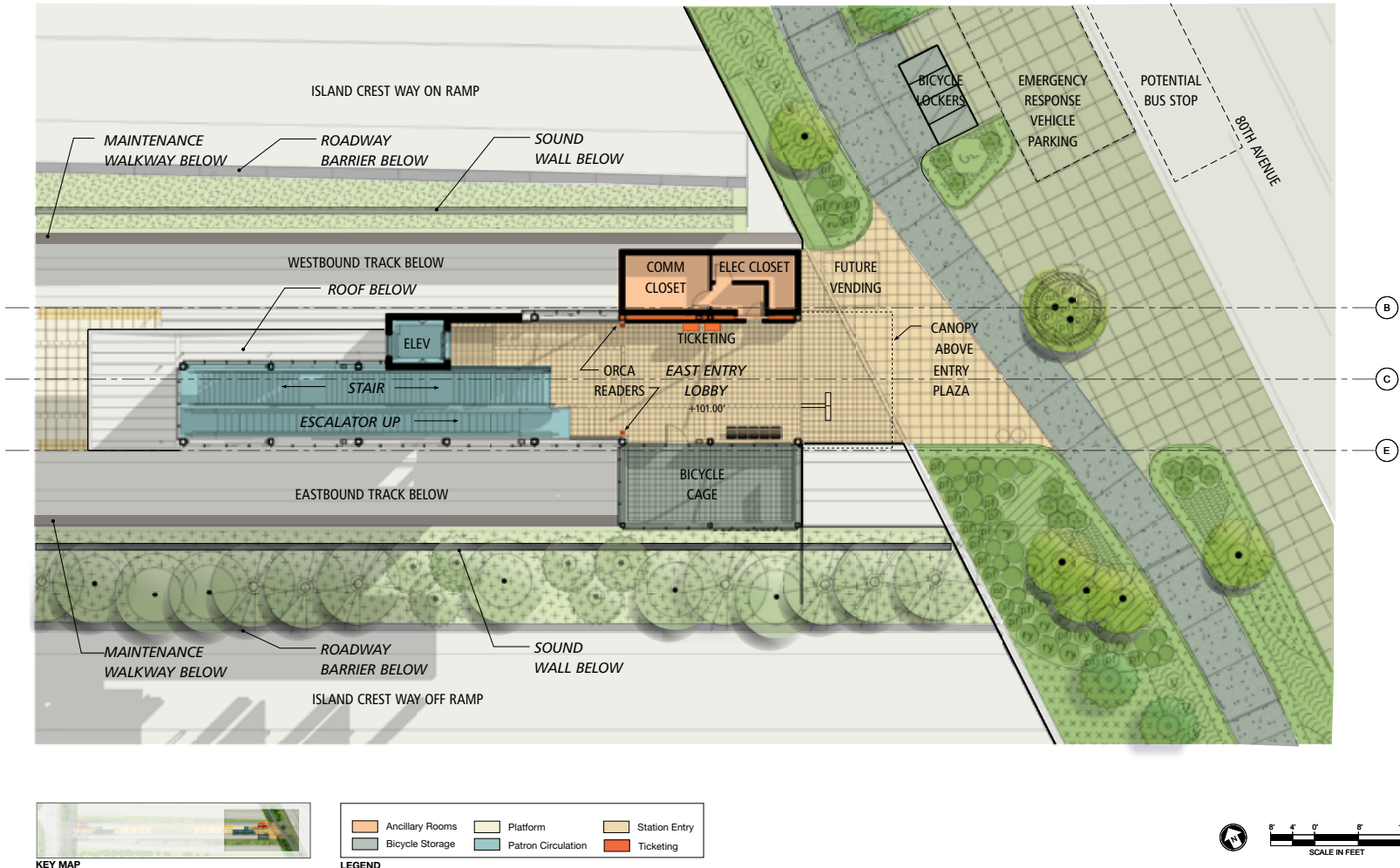
MERCER ISLAND STATION - 60% DESIGN

EAST LINK EXTENSION



EAST ENTRY AT 80TH AVE SE

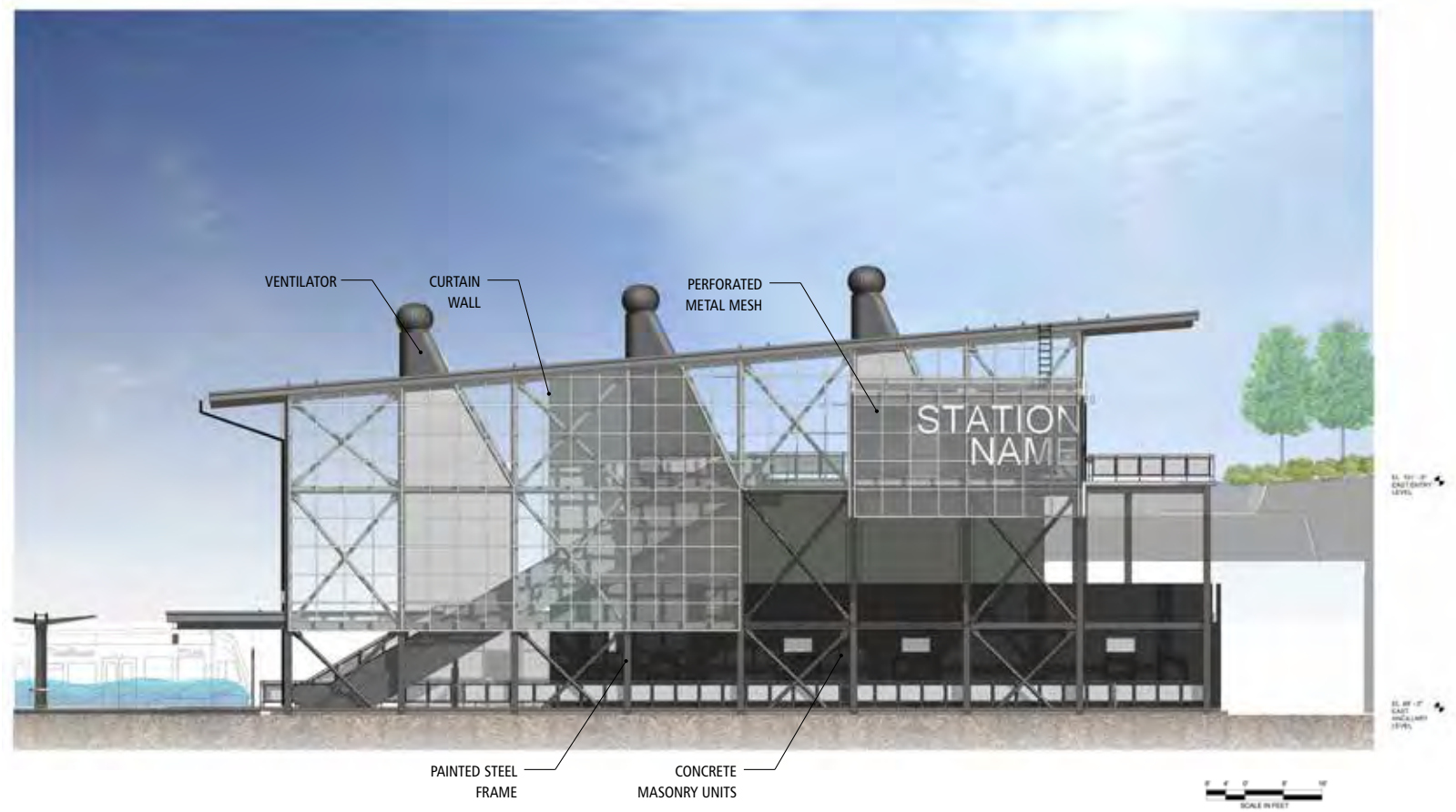
EAST ENTRY - 80TH AVE SE ENTRANCE PLAN





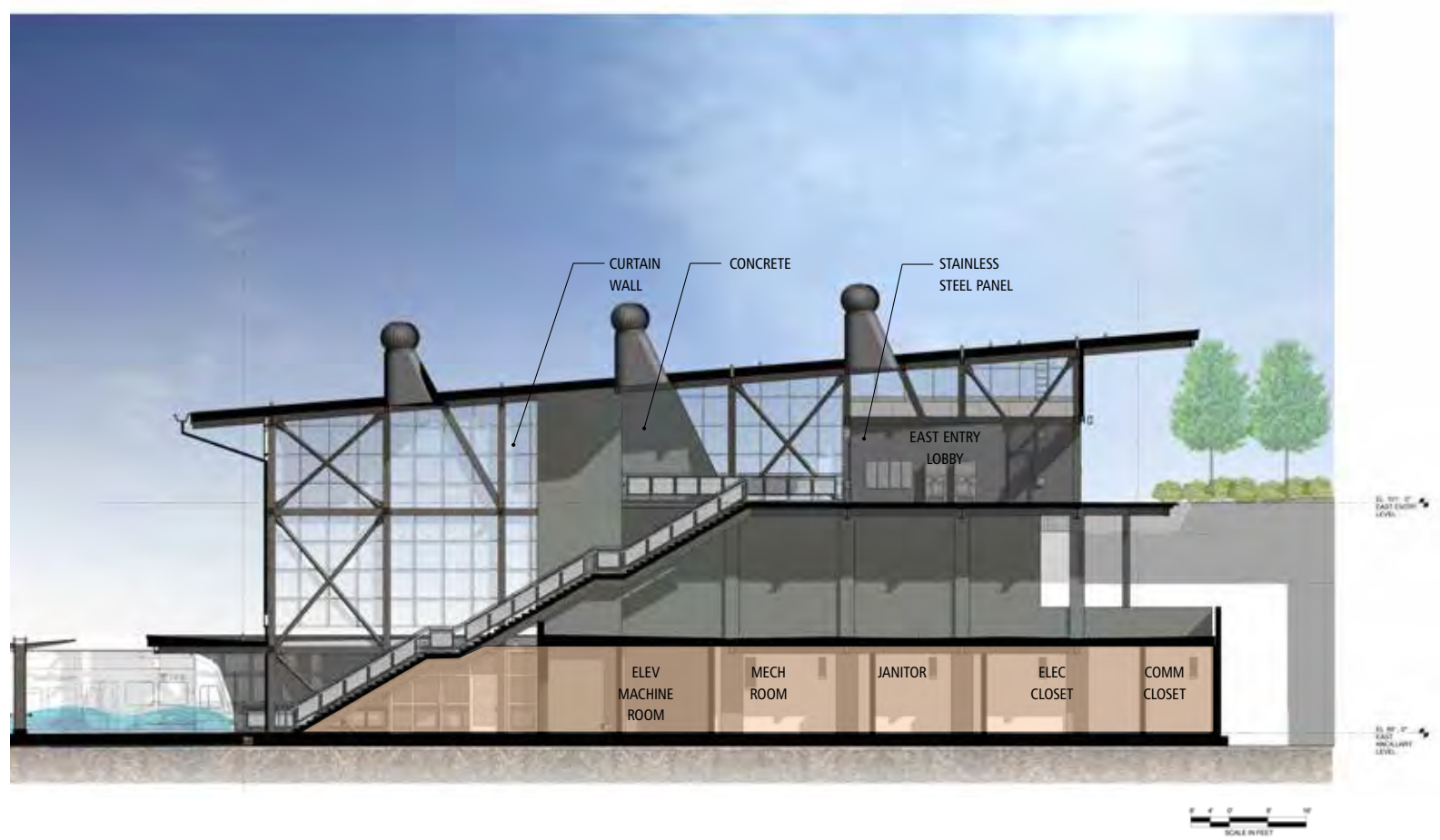
MERCER ISLAND STATION - 60% DESIGN

EAST LINK EXTENSION



EAST ENTRY - SOUTH ELEVATION

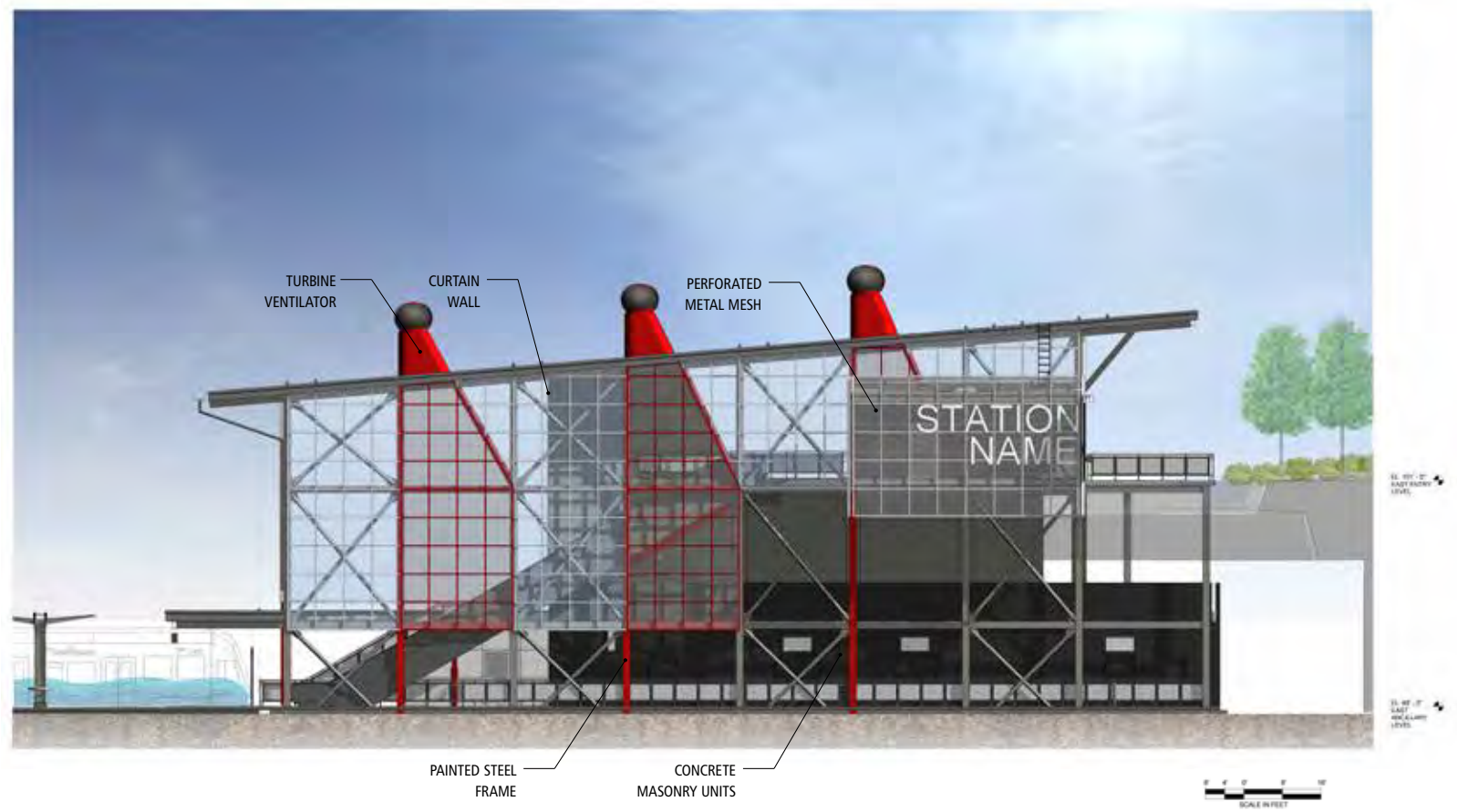
EAST ENTRY - LONGITUDINAL SECTION





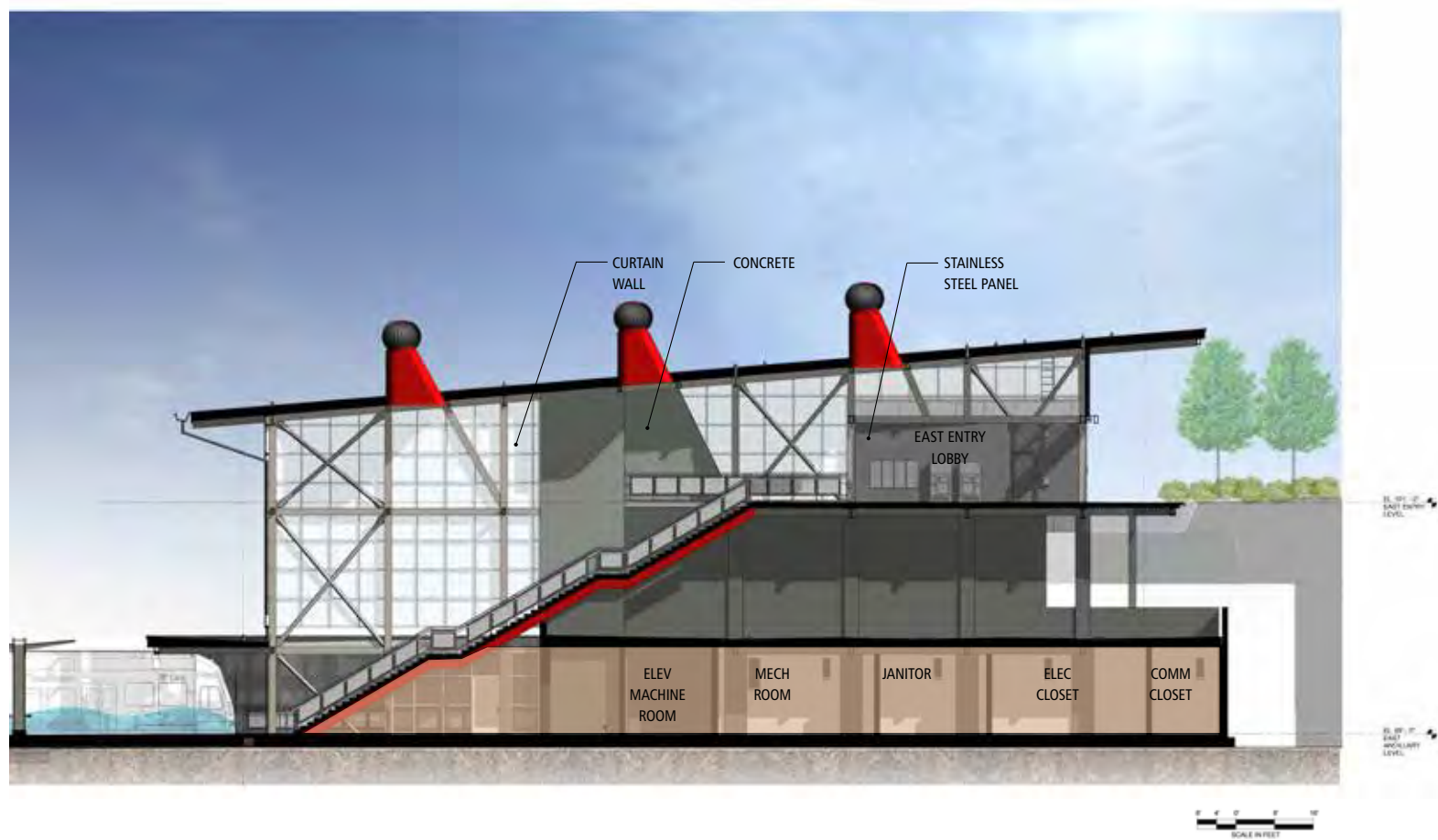
MERCER ISLAND STATION - 60% DESIGN

EAST LINK EXTENSION



EAST ENTRY - SOUTH ELEVATION

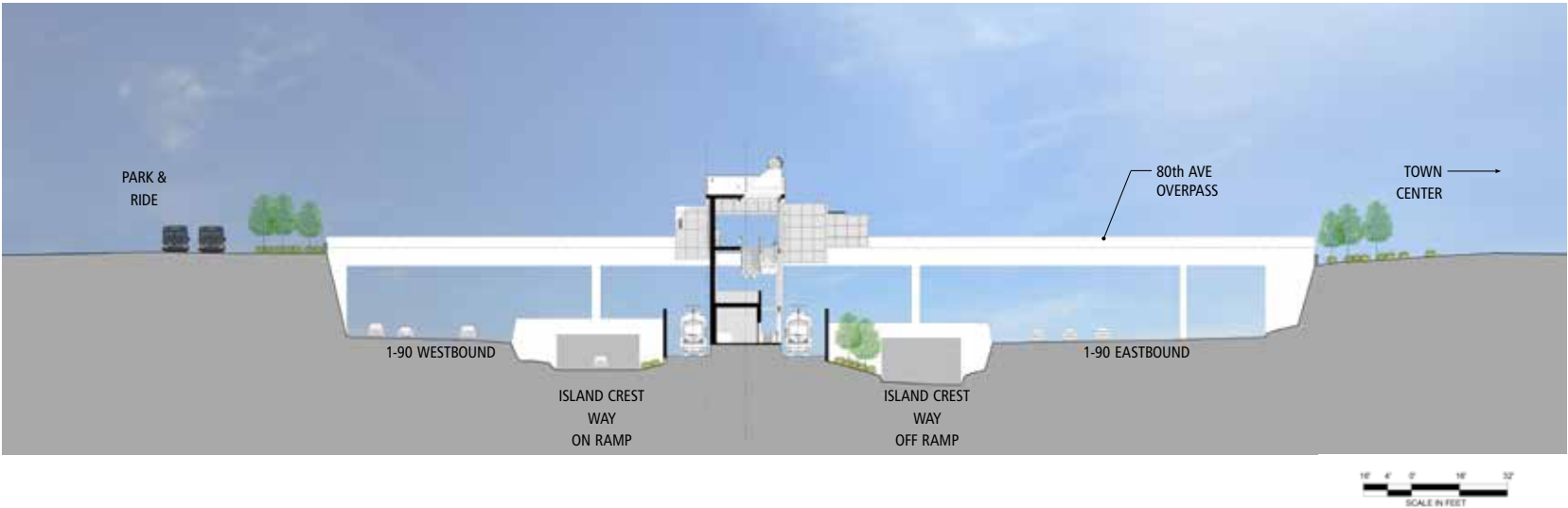
EAST ENTRY - LONGITUDINAL SECTION



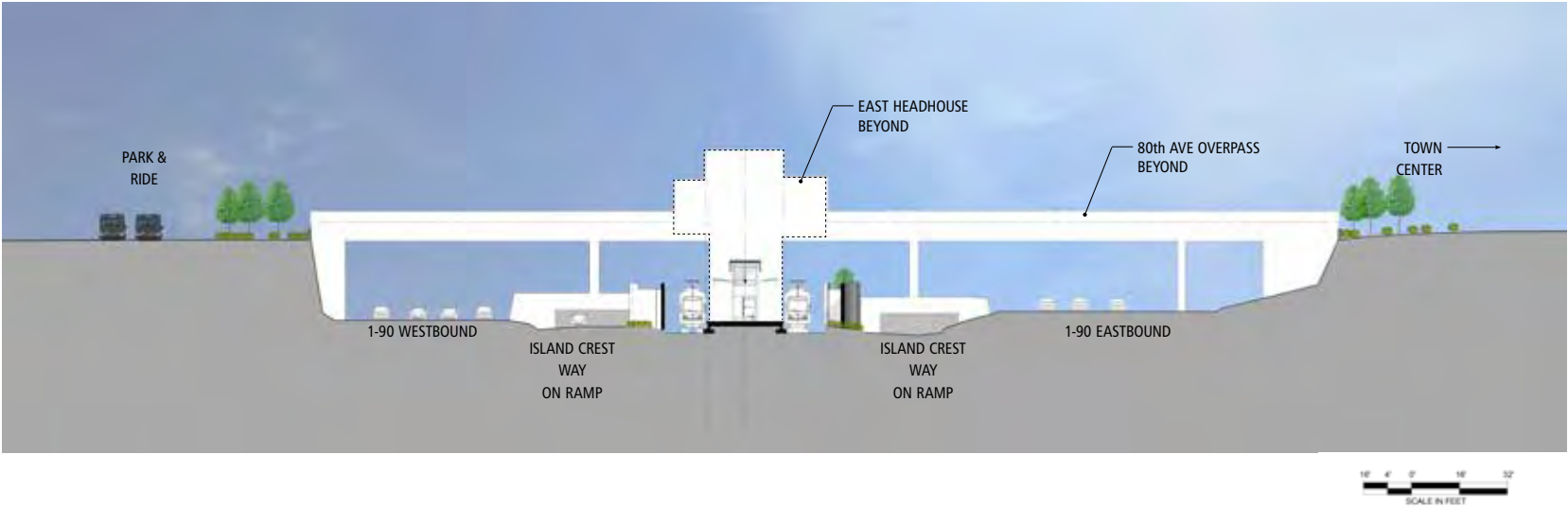


# MERCER ISLAND STATION - 60% DESIGN

## EAST LINK EXTENSION

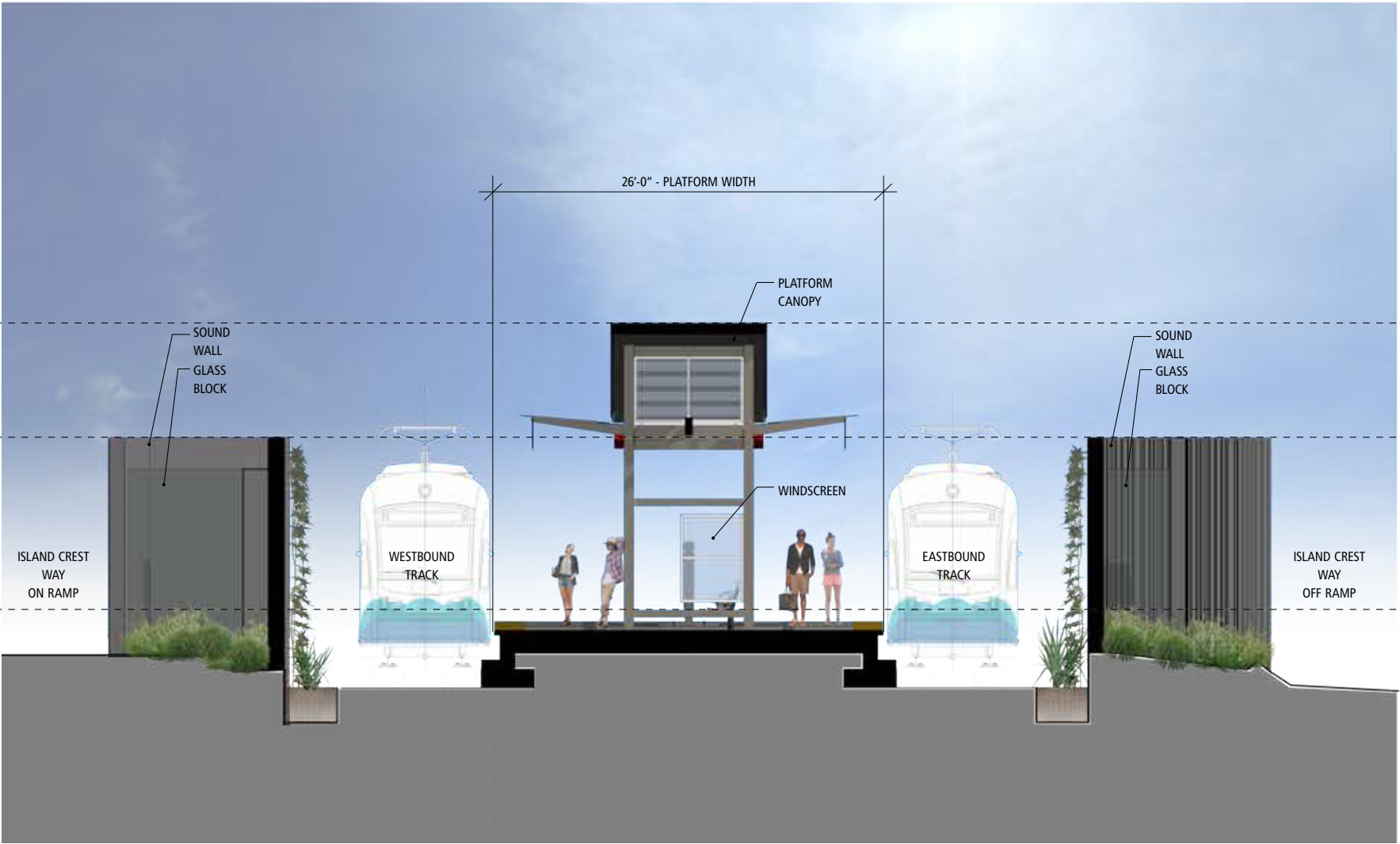


SITE CROSS SECTION AT EAST ENTRY



SITE CROSS SECTION AT PLATFORM

ENLARGED CROSS SECTION AT PLATFORM





# SUPPORTING STRUCTURES

## EAST LINK EXTENSION

The safe and efficient operation of a light rail system relies upon a number of components in addition to the track, guideway and stations. These essential system elements house the equipment needed to supply power to the vehicles and ensure that warning signals and communications equipment function properly. Sound Transit will work through the 60% design milestone to identify the locations of these structures and screening where appropriate.

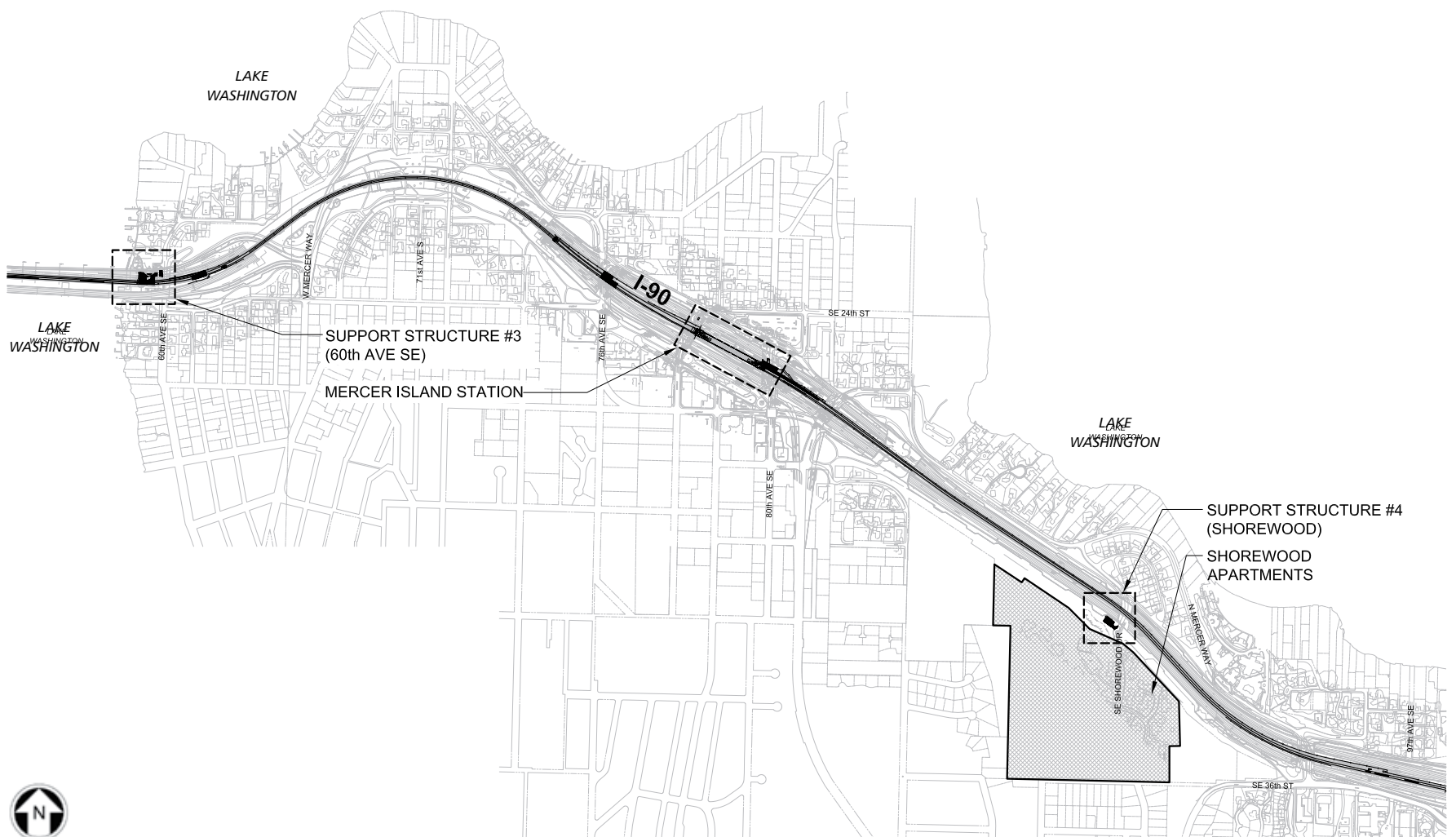
**Traction Power Substation (TPSS)** are located along the alignment and serve to convert electric power needed to operate the light rail

**Overhead Contact System (OCS)** distribute power supplied from the TPSS to the light rail vehicles

**Signal buildings** house equipment used to control safety and operational signals



Examples of how architectural treatments and artwork may be used help screen ancillary structures





# I-90 CONSTRUCTION TIMELINE

## TWO-WAY TRANSIT & EAST LINK EXTENSION PROJECTS



JULY 2014



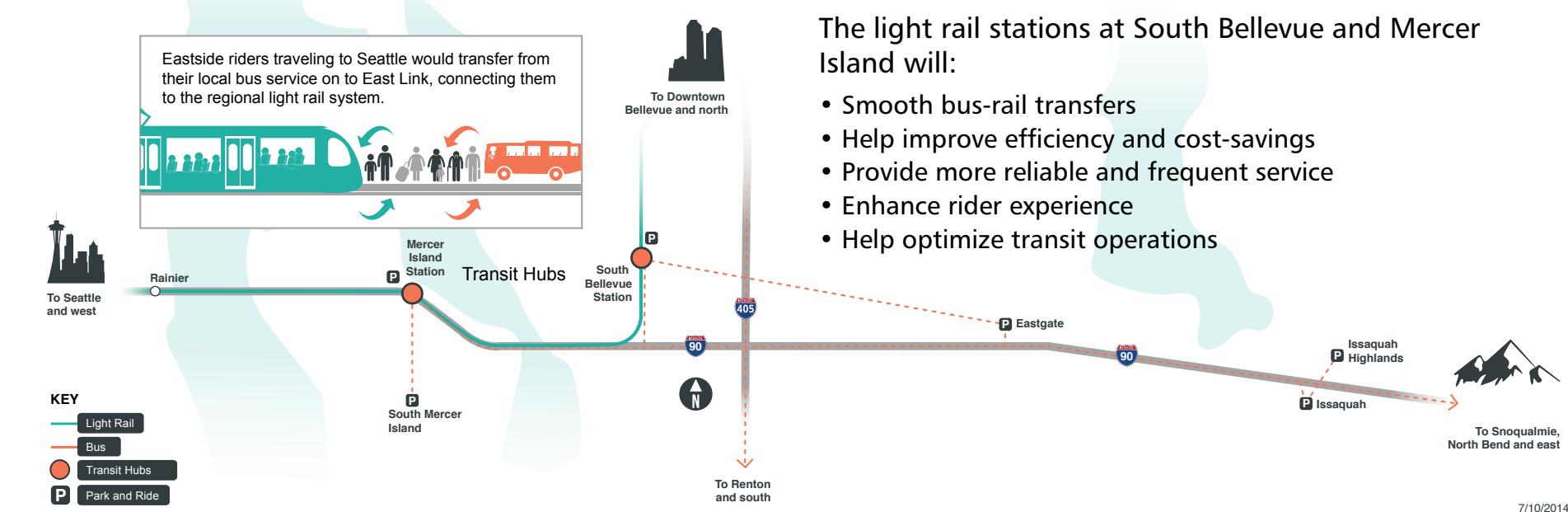


# TRANSIT PLANNING FOR THE FUTURE

## GETTING YOU WHERE YOU NEED TO GO IN THE I-90 CORRIDOR

The East Link Extension, extending light rail to Mercer Island, Bellevue and Redmond, will start service in 2023. Providing for effective and efficient connections to the system is an important part of East Link’s final design process. Sound Transit and King County Metro are working together to provide fast and reliable connections between Seattle and the Eastside.

Sound Transit and King County are designing changes to the way transit crosses I-90. Bus and light rail service will connect at regional transit hubs, including the Mercer Island and South Bellevue stations, where riders will transfer between modes.



# TRANSIT PLANNING FOR THE FUTURE

## GETTING YOU WHERE YOU NEED TO GO IN THE I-90 CORRIDOR

### TRANSIT INTEGRATION ON MERCER ISLAND

The Transit Integration study developed and evaluated scenarios of an integrated King County Metro and Sound Transit bus system with light rail at the Mercer Island Station. The objective is to ensure long-term reliability, efficiency, and enable opportunities to increase transit service within the I-90 corridor. The four scenarios analyzed in the study are shown below.



Scenario 1



Scenario 2



Scenario 3



Scenario 4

Legend	BUS DROP-OFF AREA	BUS PICK UP	MERCER ISLAND LOOP ROUTES	KC METRO ROUTE 216
	BUS LAYOVER AREA	MERCER ISLAND EASTLINK STATION	MERCER ISLAND EW LOOP	SOUND TRANSIT ROUTE 554







